

FIG. 1

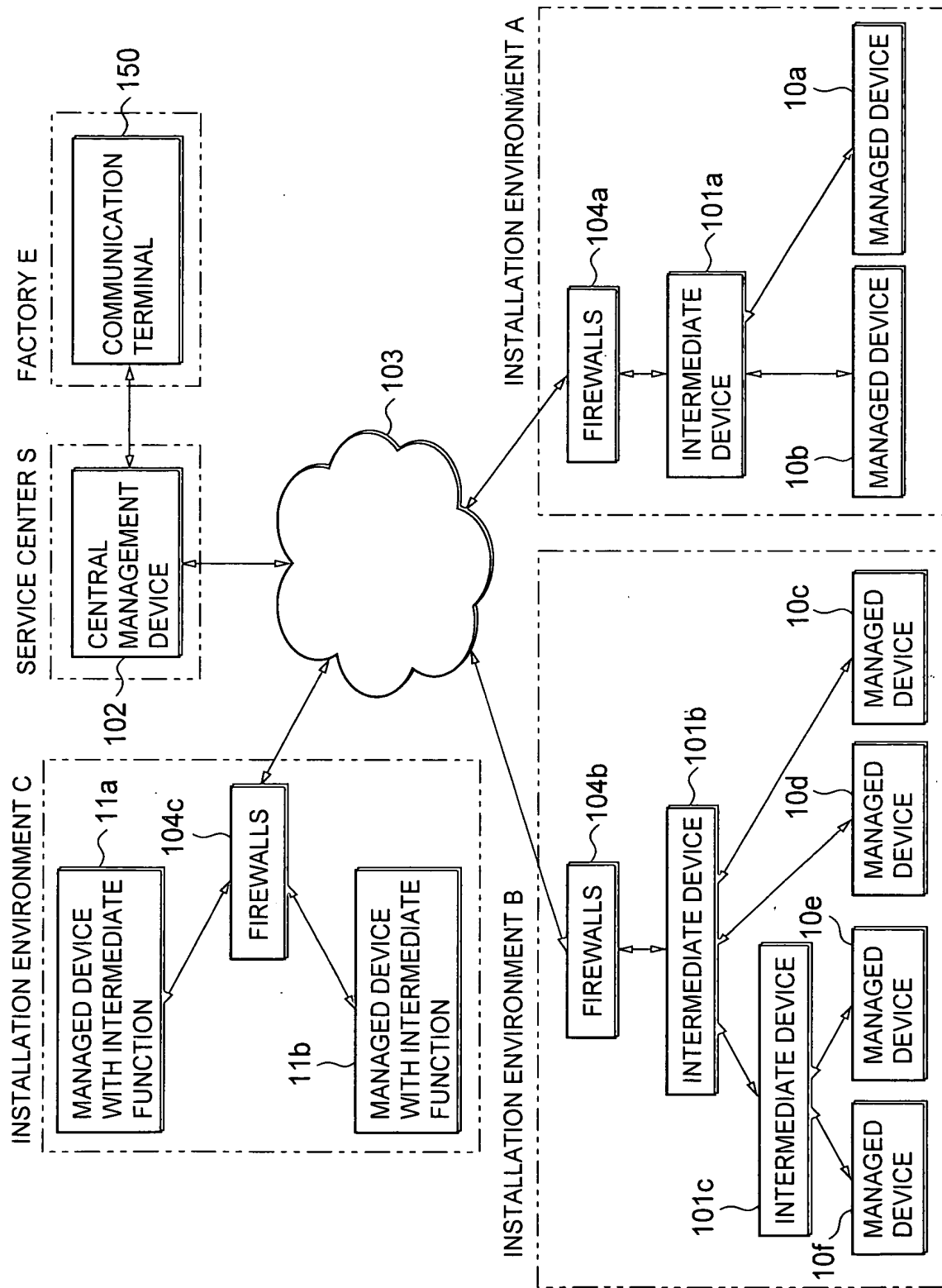


FIG. 2A

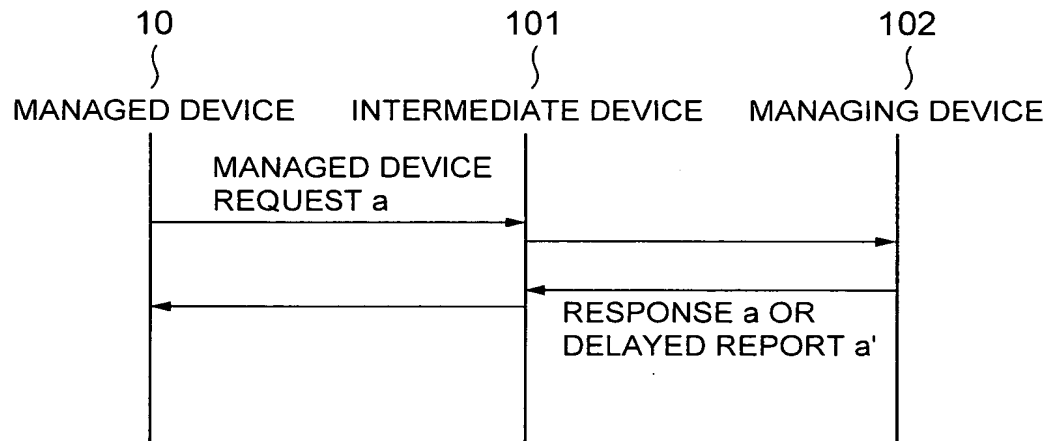


FIG. 2B

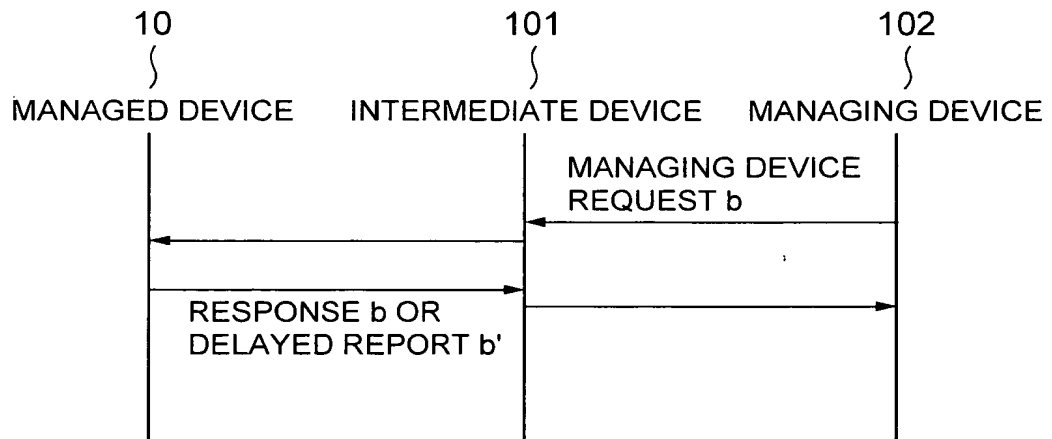


FIG. 3

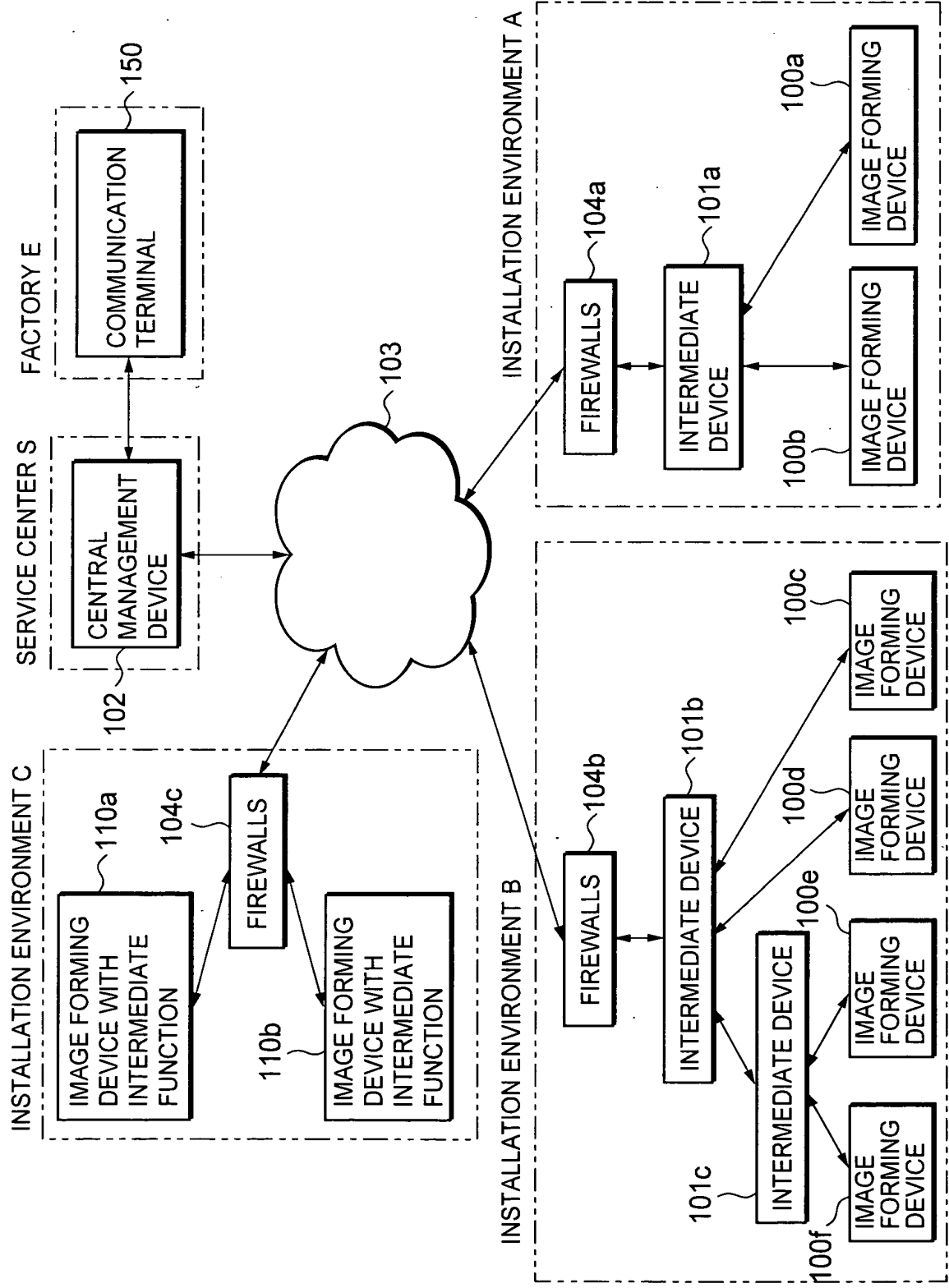


FIG. 4

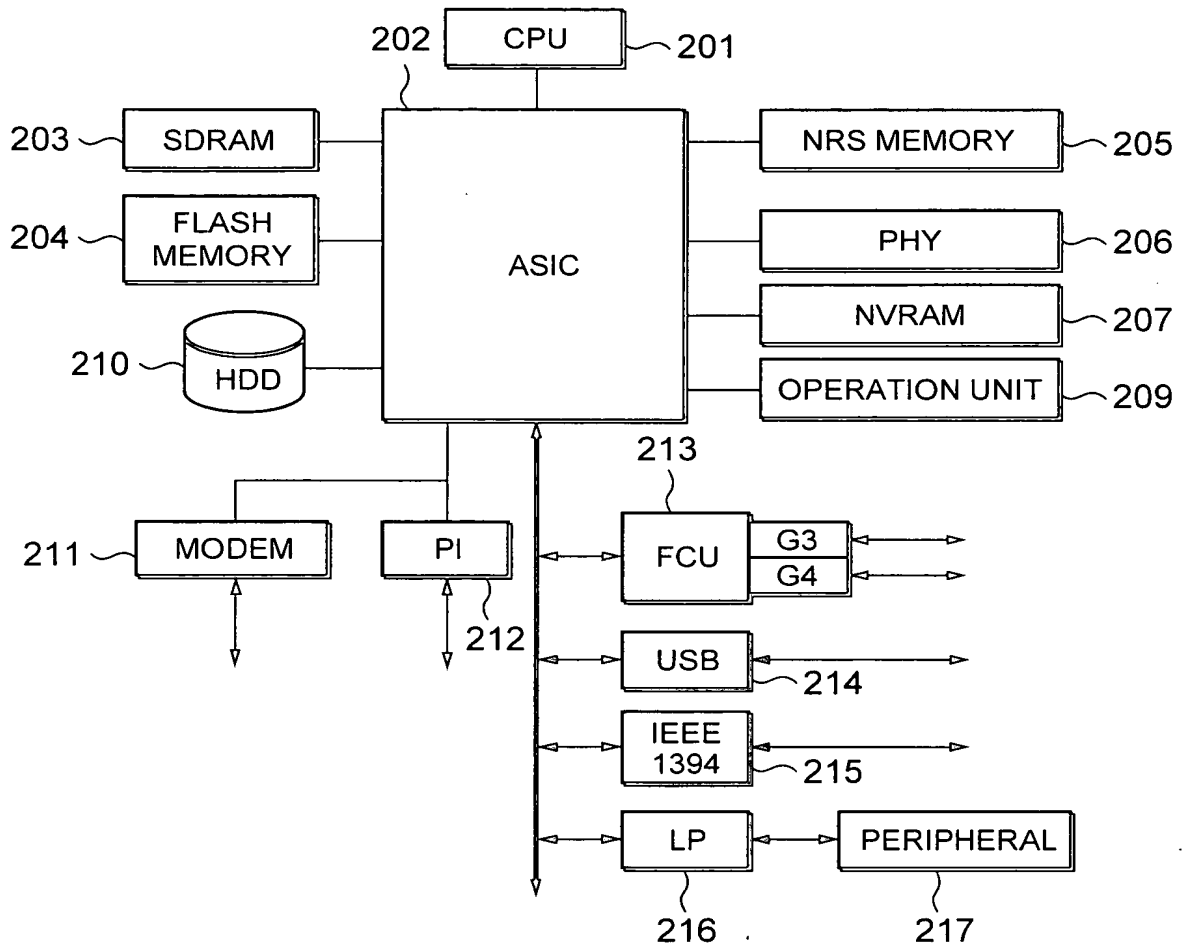


FIG. 5

FLASH MEMORY

CERTIFICATE
COMMON CERTIFICATE
FIXED PARAMETER AREA
PROGRAM AREA

FIG. 6

NVRAM

DEVICE NO
INITIAL OPERATIONAL VALUE
INITIAL APL VALUE
COUNTER INFORMATION
COMMON CERTIFICATE

FIG. 7

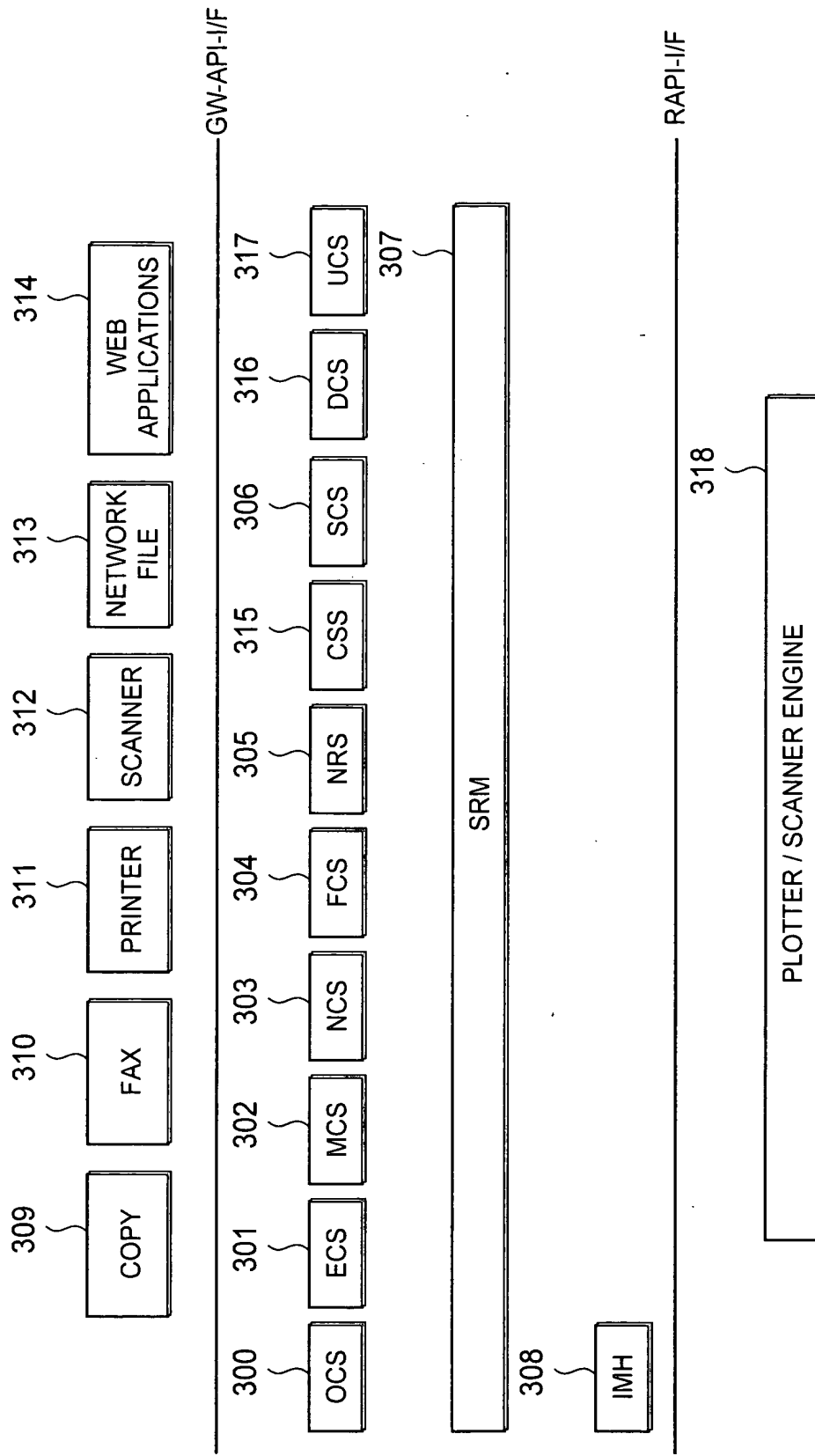


FIG. 8

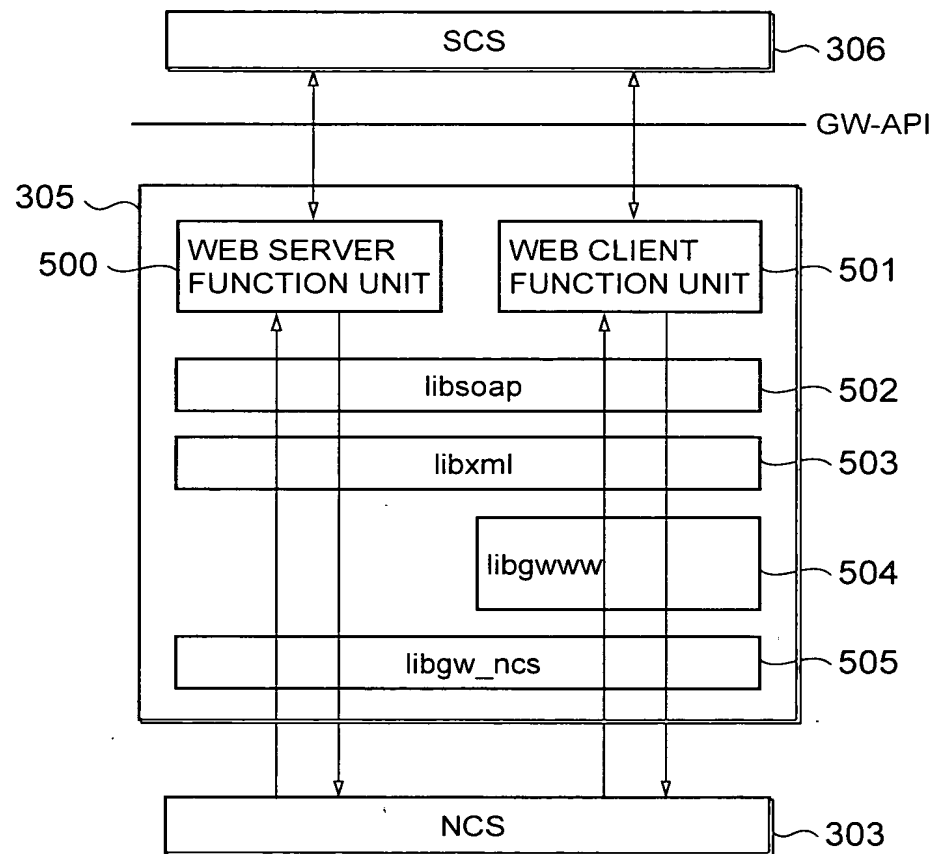


FIG. 9

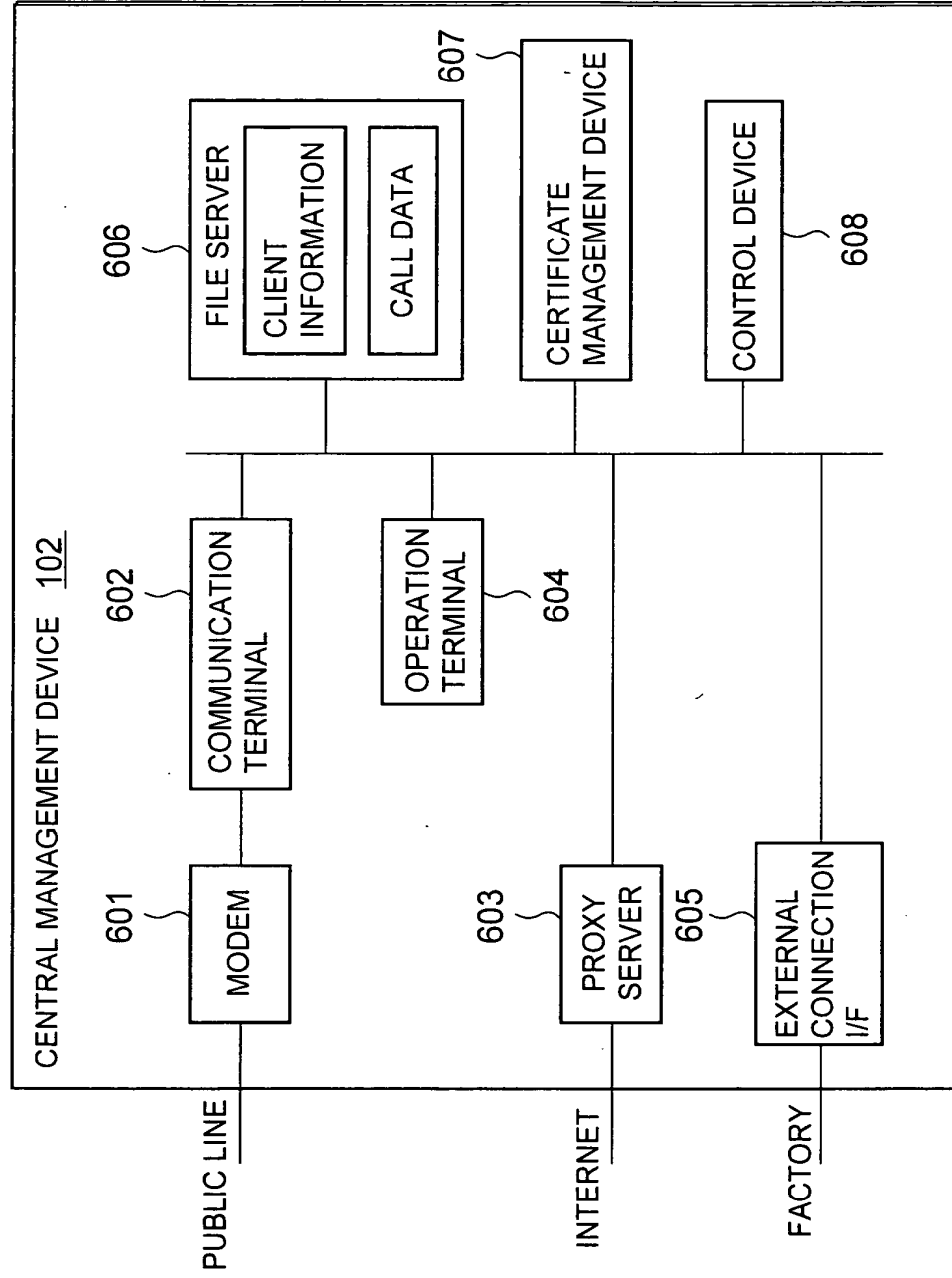


FIG. 10

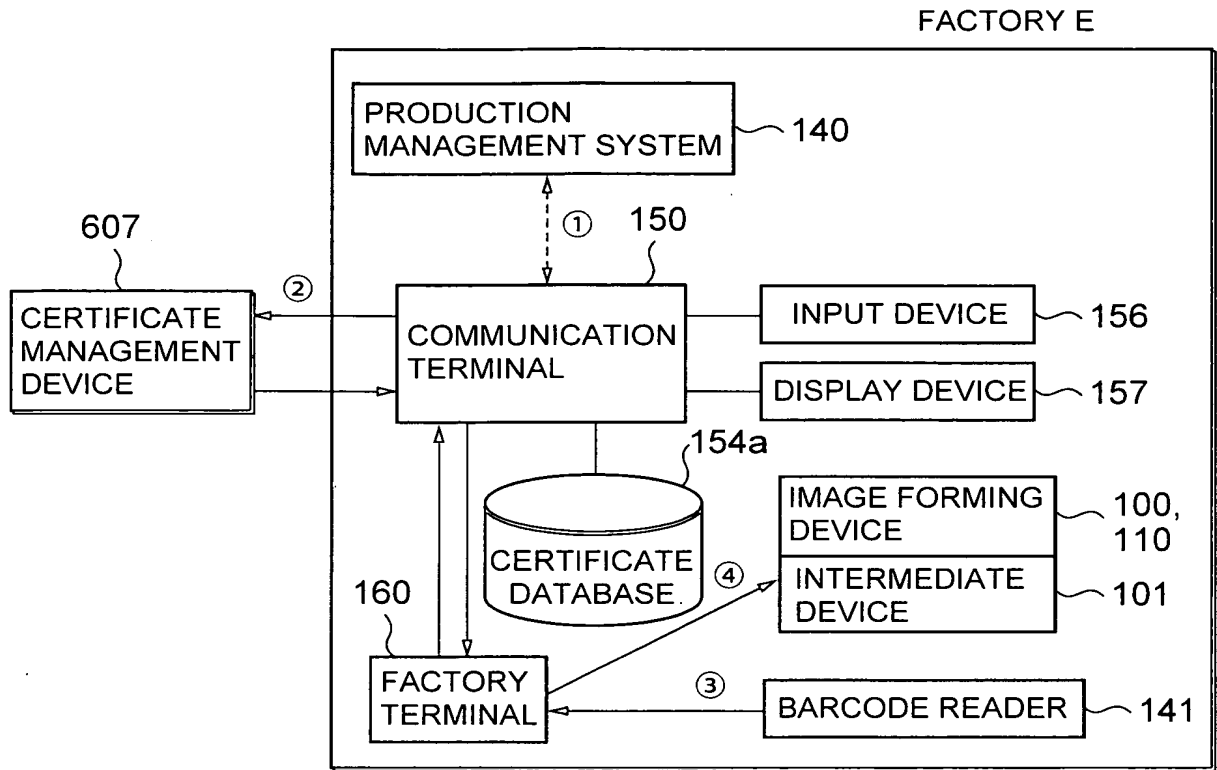


FIG. 11

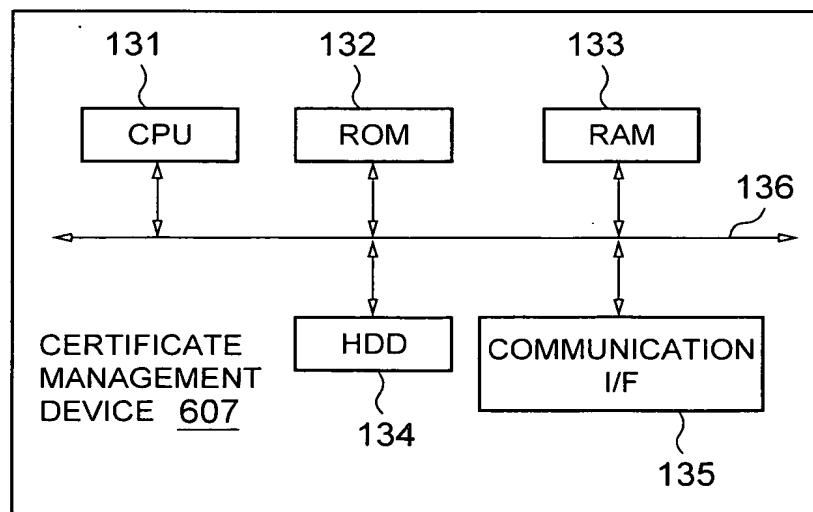


FIG. 12

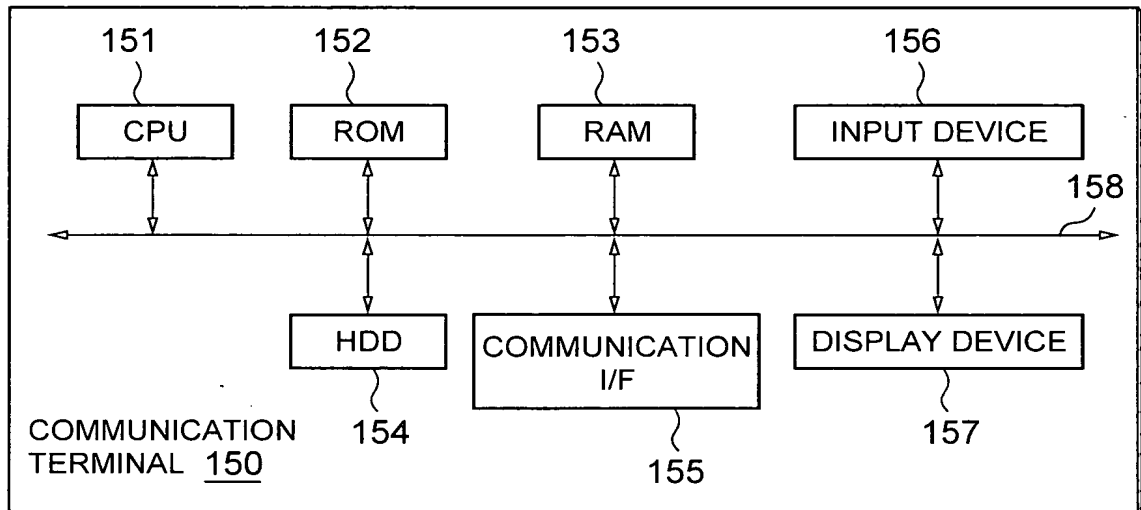


FIG. 13

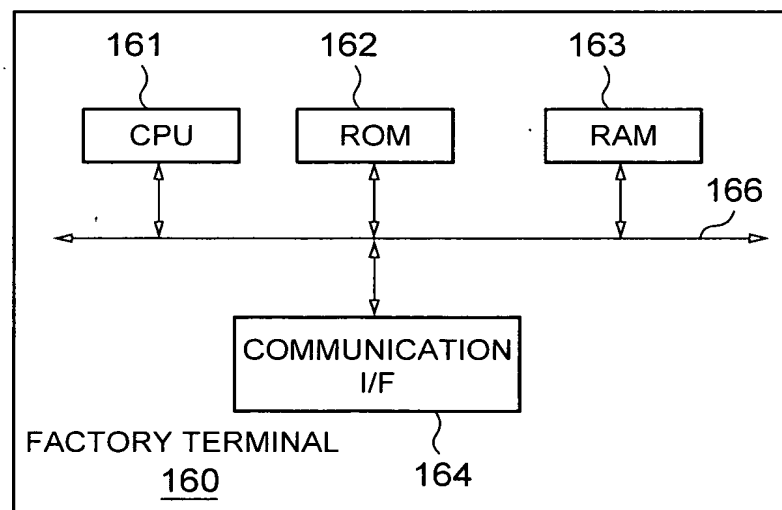


FIG. 14

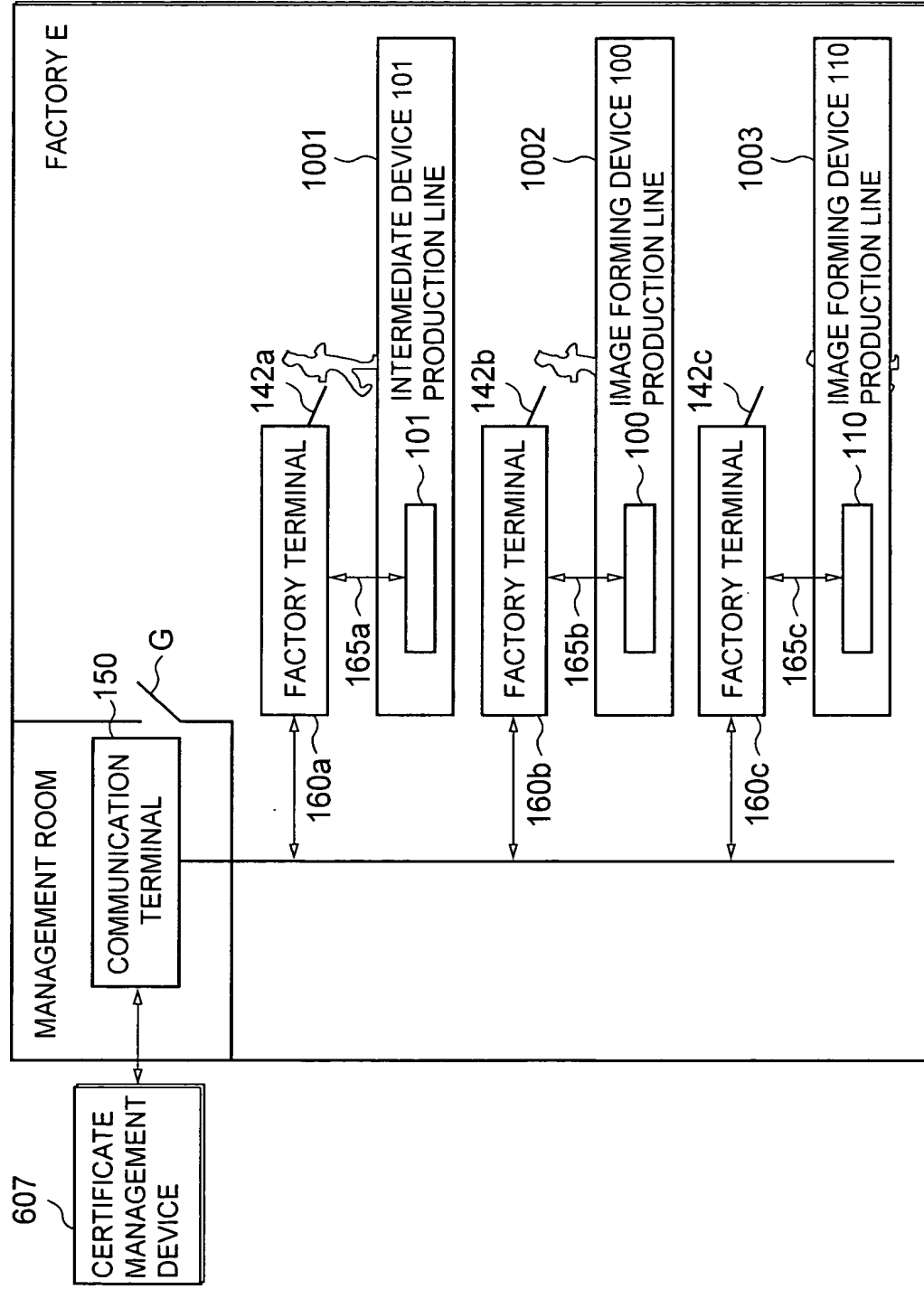


FIG. 15

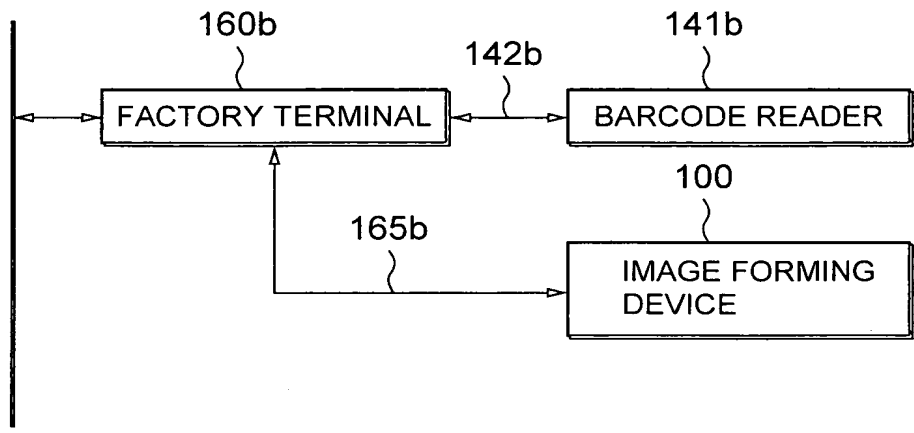


FIG. 16

AICOO IMAGE FORMING DEVICE TYPE-1			
RATED VOLTAGE	RATED POWER CONSUMPTION	RATED CURRENT	DEVICE CODE
DC12V	3VA	0.25A	H100-00
DEVICE NUMBER	BARCODE	BC	

FIG. 17

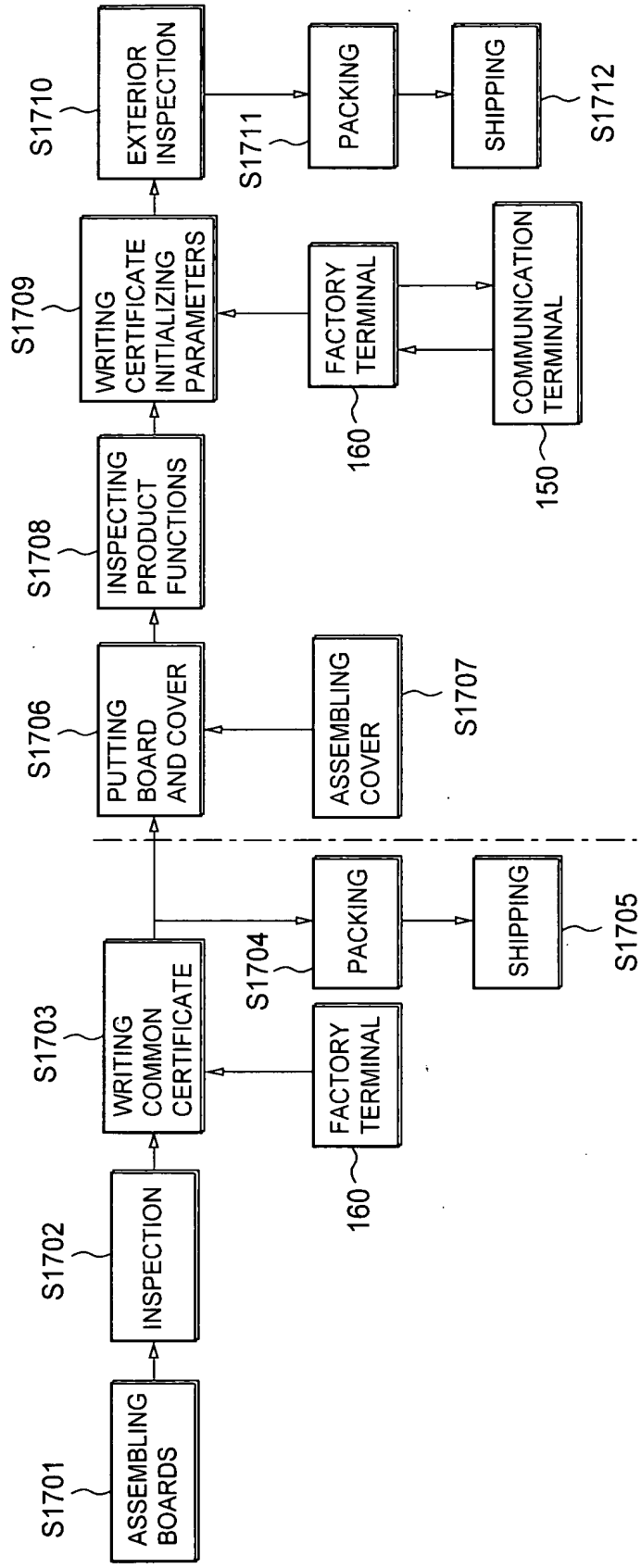


FIG. 18

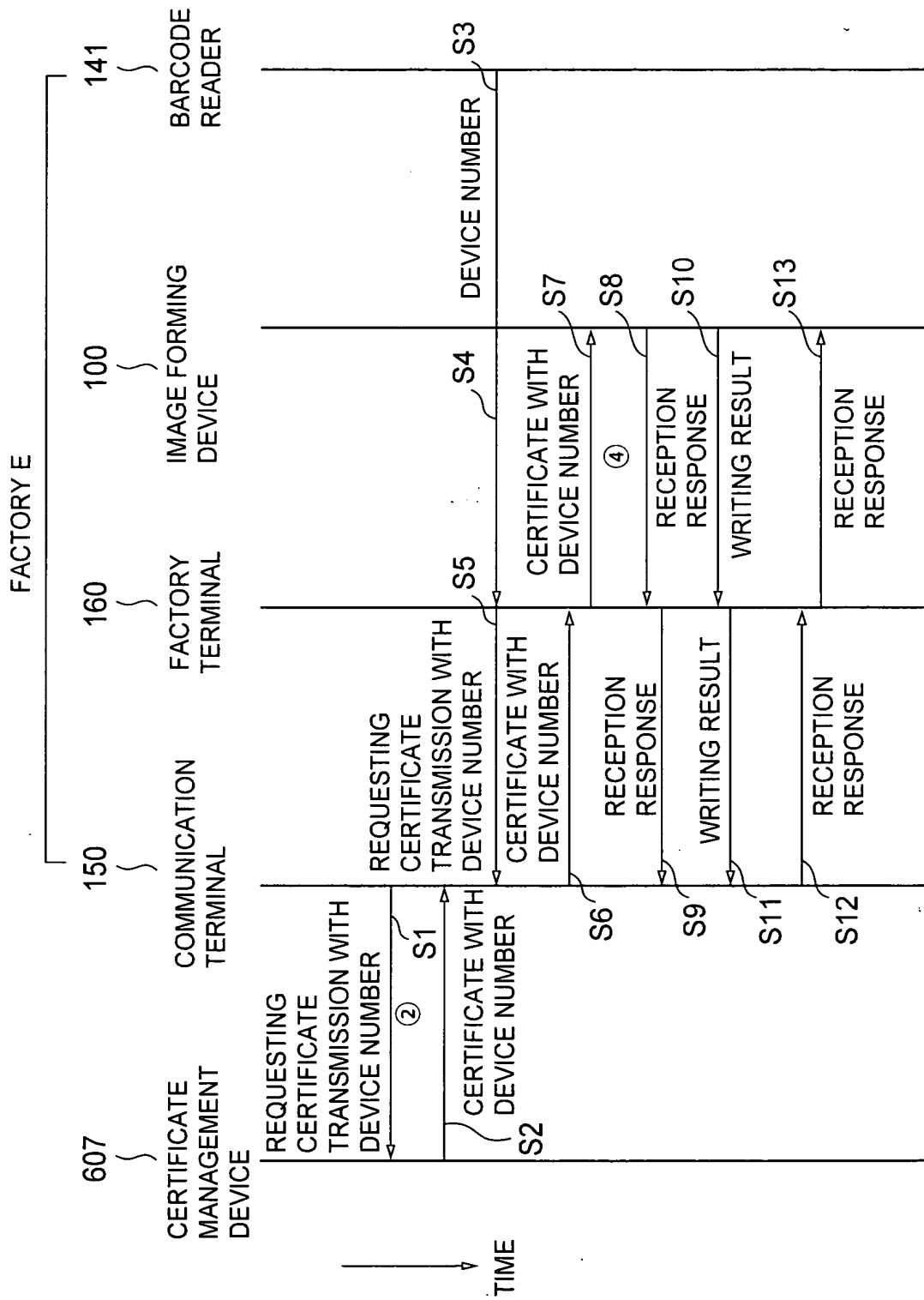


FIG. 19A

No	DEVICE CODE	CERTIFICATE	REMARKS
1	3012	YES	
2	3013	NO	
3	3014	NO	
4	A123	YES	
5	A125	NO	

FIG. 19B

DEVICE CODE	3/17	3/18	3/19	3/20	3/24	3/25	3/26	3/27
3012	1000	1010	1020	1000	900	1200	1300	1100
3013	500	550	500	560	530	550	530	530
3014	560	570	560	560	540	570	550	550
A123	2120	2000	2130	2000	2000	2130	2110	2000
A125	2000	2001	2010	2020	2010	2000	2300	2000

FIG. 20

DEVICE NUMBER	CERTIFICATE	CREATION DATE	WRITE COMPLETION FLAG
3012-123456	CERTIFICATE 1 PACK	20030308	DONE
3012-123457	CERTIFICATE 2 PACK	20030308	DONE
3012-123458	CERTIFICATE 3 PACK	20030308	
3012-123459	CERTIFICATE 4 PACK	20030308	
A123-654321	CERTIFICATE 5 PACK	20030308	
A123-654322	CERTIFICATE 6 PACK	20030308	

ROUTE CERTIFICATE-1	CLIENT CERTIFICATE (A123-654322)	CODED KEY (A123-654322)
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FIG. 21

CERTIFICATE TRANSMISSION REQUEST

SOAP HEADER	CERTIFICATE TRANSMISSION REQUEST COMMAND	DEVICE NUMBER 1, DEVICE NUMBER 2, DEVICE NUMBER 3, DEVICE NUMBER n
-------------	---	--

CERTIFICATE TRANSMISSION

SOAP HEADER	CERTIFICATE TRANSMISSION COMMAND	DEVICE NUMBER 1 CERTIFICATE 1 PACK, DEVICE NUMBER 2 CERTIFICATE 2 PACK, DEVICE NUMBER 3 CERTIFICATE 3 PACK, . DEVICE NUMBER n CERTIFICATE n PACK,
-------------	-------------------------------------	---

FIG. 22

CERTIFICATE TRANSMISSION REQUEST

SOAP HEADER	CERTIFICATE TRANSMISSION REQUEST COMMAND	DEVICE NO 1
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CERTIFICATE TRANSMISSION

SOAP HEADER	CERTIFICATE TRANSMISSION COMMAND	DEVICE NO 1	CERTIFICATE 1 PACK
-------------	-------------------------------------	-------------	--------------------

ROUTE CERTIFICATE	CLIENT CERTIFICATE	SECRET KEY
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FIG. 23A

CERTIFICATE TRANSMISSION

SOAP HEADER	CERTIFICATE TRANSMISSION COMMAND	CERTIFICATE 1 PACK
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RECEPTION RESPONSE

SOAP HEADER	CERTIFICATE RECEPTION RESPONSE COMMAND	O.K.
-------------	---	------

FIG. 23B

WRITE RESULT

SOAP HEADER	WRITE RESULT TRANSMISSION COMMAND	DEVICE NUMBER 1, O.K.
-------------	--------------------------------------	--------------------------

RECEPTION RESPONSE

SOAP HEADER	WRITE RESULT RESPONSE COMMAND	O.K.
-------------	----------------------------------	------

FIG. 24 PRIOR ART

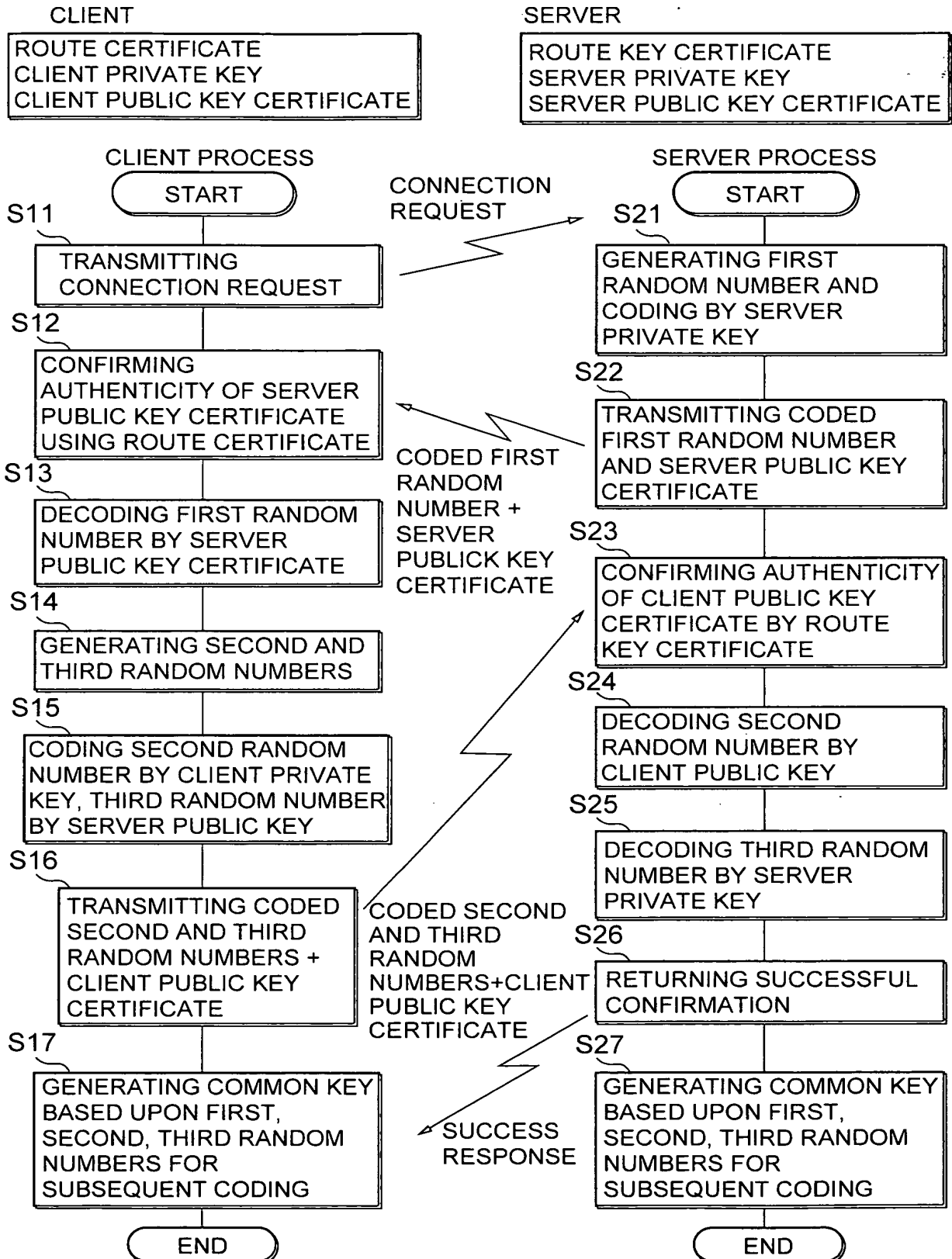


FIG. 25A PRIOR ART

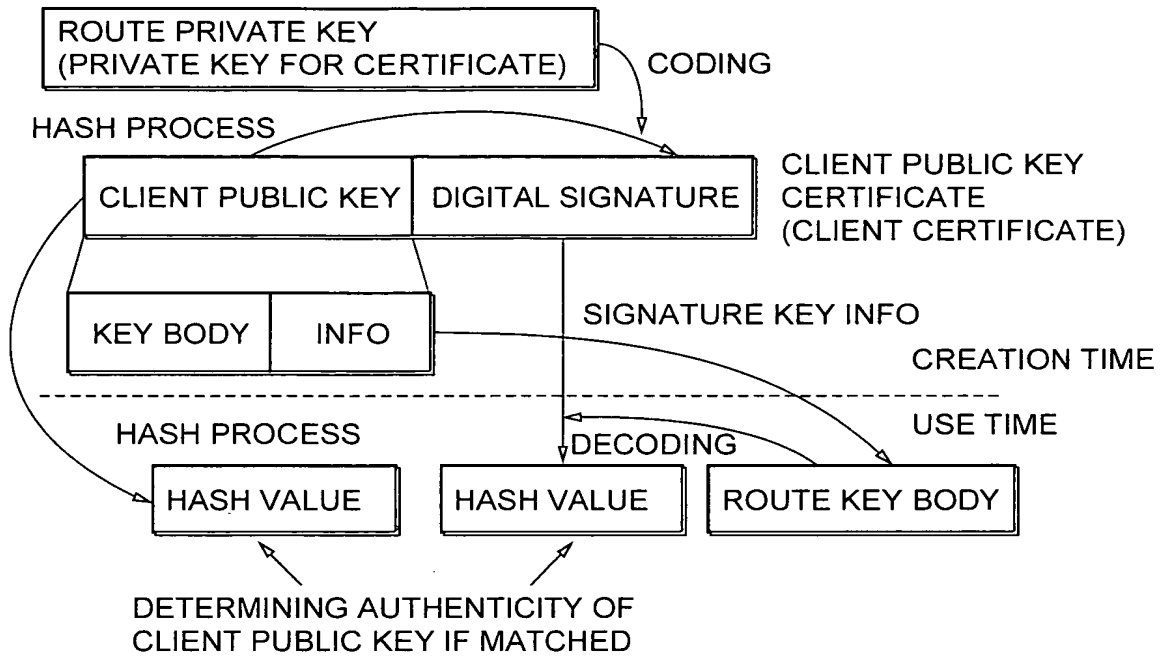


FIG. 25B PRIOR ART

